EAST Search History

Ref #	Hits	Search Query	DBs	Default Operator	Plurals	Time Stamp
L1	1031	700/240,265-266.ccls. or 8/159.ccls.	USPAT	OR	OFF	2006/03/14 13:21
L2	2	l1 and (conductivity and dispens$4).clm.	USPAT	OR	OFF	2006/03/14 13:27
L3	2	l1 and (chemical and concentration and interface).clm.	USPAT	OR	OFF	2006/03/14 13:28
S1	50	("6892143" "6302968" "5320118" "5448115" "5501742" "5411716" "6376445" "6440911" "6399557" "5389344" "6268197" "6287765" "4846993" "5056542" "5282901" "6292830" "6447919" "6138069" "6458343" "6920474" "6421613" "5308513" "4624713" "6251845" "6326341" "6348441" "6376455" "6377868" "6380145" "6399564" "6448212" "6462007" "6697706" "6895307" "4951444" "5876766" "5883801" "6249710" "6734112" "5749526" "5868320" "4999763" "6441020" "4791792" "4953614" "4974888" "5187954" "5212205" "6235111" "4249237").pn.	US-PGPUB; USPAT; EPO; JPO	OR	OFF	2005/12/05 10:23
S2	14	("4845965" | "4858449" | "4964185" | "5014211" | "5038807" | "5222027" | "5345379" | "5681400" | "5694323" | "5745381" | "5777895" | "5839097" | "6167358" | "6321204").PN.	US-PGPUB; USPAT; USOCR	OR	OFF	2005/12/05 10:26
S3	0	("6895307").URPN.	USPAT	OR	OFF	2006/03/14 13:21
S4	62	("20010039501" | "20010047214" | "20010053939" | "20010054038" | "3223108" | "3645669" | "3774056" | "4194242" | "4241400" | "4334270" | "4482785" | "4509543" | "4597046" | "4682113" | "4733798" | "4739478" | "4756321" | "5014211" | "5038807" | "5043860" | "5077525" | "5203366" | "5222027" | "5345379" | "5370267" | "5370743" | "5397028" | "5404893" | "5491791" | "5556478" | "5625659" | "5625908" | "5681400" | "5694323" | "5695091" | "5724261" | "5745381" | "5757664" | "5810201" | "5826749" | "5839097" | "5875430" | "5939974" | "5945910" | "5956487" | "5967202" | "5973696" | "5975352" | "5980090" | "6003070" | "6061668" | "6133555" | "6133847" | "6321204" | "6330499" | "6356205" | "6357292" | "6377868" | "6389464" | "6498567" | "6618754").PN.	US-PGPUB; USPAT; USOCR	OR	OFF	2005/12/05 10:30
S5	1	"6494961".pn.	US-PGPUB; USPAT; USOCR	OR	OFF	2005/12/20 13:37
S6	21	"4733798"	US-PGPUB; USPAT; USOCR	OR	OFF	2005/12/05 10:31
S7	1	"4733798".pn.	US-PGPUB; USPAT; USOCR	OR	OFF	2005/12/05 10:32
S8	1	"6377868".pn.	US-PGPUB; USPAT; USOCR	OR	OFF	2005/12/05 10:41
S9	13827	d32/$.ccls.	US-PGPUB; USPAT; USOCR	OR	OFF	2005/12/05 10:44
S10	12	US-5203366-$.DID. OR US-5222027-$.DID. OR US-5345379-$.DID. OR US-5694323-$.DID. OR US-5745381-$.DID. OR US-5757664-$.DID. OR US-5826749-$.DID. OR US-5839097-$.DID. OR US-5967202-$.DID. OR US-5975352-$.DID. OR US-5980090-$.DID. OR US-6377868-$.DID.	US-PGPUB; USPAT; USOCR	OR	OFF	2005/12/05 10:46
S11	22	US-3774056-$.DID. OR US-4334270-$.DID. OR US-4482785-$.DID. OR US-4509543-$.DID. OR US-4597046-$.DID. OR US-4733798-$.DID. OR US-4739478-$.DID. OR US-0475632-$.DID. OR US-5038807-$.DID. OR US-5043860-$.DID. OR US-5370267-$.DID. OR US-5397028-$.DID. OR US-5404893-$.DID. OR US-5556478-$.DID. OR US-5625659-$.DID. OR US-5625908-$.DID. OR US-5695091-$.DID. OR US-5724261-$.DID. OR US-5875430-$.DID. OR US-5945910-$.DID. OR US-5956487-$.DID.	US-PGPUB; USPAT; USOCR	OR	OFF	2005/12/05 11:45

EAST Search History

S12	9	US-5973696-$.DID. OR US-5939974-$.DID. OR US-6003070-$.DID. OR US-6330499-$.DID. OR US-6356205-$.DID. OR US-6389464-$.DID. OR US-6357292-$.DID. OR US-6498567-$.DID. OR US-6618754-$.DID.	US-PGPUB; USPAT; USOCR	OR	OFF	2005/12/05 11:47
S13	4	"20010039501" or "20010047214" or "20010053939" or "20010054038"	US-PGPUB; USPAT; USOCR	OR	OFF	2005/12/05 11:50
S14	15	warewash and conductivity	US-PGPUB; USPAT; USOCR	OR	OFF	2005/12/05 11:53
S15	9	"5,282,901"	US-PGPUB; USPAT; USOCR	OR	OFF	2005/12/05 11:52
S16	1	"5,282,901".pn.	US-PGPUB; USPAT; USOCR	OR	OFF	2005/12/05 11:52
S17	7	warewash and chemical$2 and (user with interface)	US-PGPUB; USPAT; USOCR	OR	OFF	2005/12/05 11:55
S18	1428	(laundry or washing) and chemical$2 and (user with interface)	US-PGPUB; USPAT; USOCR	OR	OFF	2005/12/05 11:55
S19	152	(laundry or washing adj machine) and chemical$2 and (user with interface)	US-PGPUB; USPAT; USOCR	OR	OFF	2005/12/05 12:38
S20	73	S19 and sensor$2	US-PGPUB; USPAT; USOCR	OR	OFF	2005/12/05 12:39
S21	4	S20 and warewash	US-PGPUB; USPAT; USOCR	OR	OFF	2005/12/05 11:56
S22	37	S20 and analyz$3	US-PGPUB; USPAT; USOCR	OR	OFF	2005/12/05 12:00
S23	232	(laundry or washing adj machine or dishwash$3) and chemical$2 and (user with interface)	US-PGPUB; USPAT; USOCR	OR	OFF	2005/12/05 12:39
S24	233	(laundry or washing adj machine or dishwash$3 or warewash$3) and chemical$2 and (user with interface)	US-PGPUB; USPAT; USOCR	OR	OFF	2005/12/05 12:39
S25	67	S24 and sensor$2 and analyz$3	US-PGPUB; USPAT; USOCR	OR	OFF	2005/12/05 12:48
S26	19	S25 and soil$2	US-PGPUB; USPAT; USOCR	OR	OFF	2005/12/05 12:47
S27	18	S26 and water	US-PGPUB; USPAT; USOCR	OR	OFF	2005/12/05 12:41
S28	1	"6377868".pn.	US-PGPUB; USPAT; USOCR	OR	OFF	2005/12/05 12:47
S29	11	S25 and hardness	US-PGPUB; USPAT; USOCR	OR	OFF	2005/12/05 12:49
S30	48	S25 not S26	US-PGPUB; USPAT; USOCR	OR	OFF	2005/12/05 13:54

EAST Search History

S31	1203	700/239-241,231,265-266.ccls.	US-PGPUB; USPAT; USOCR	OR	OFF	2005/12/05 13:55
S32	77	S31 and (laundry or dishwash$2 or washing$2 or warewash$3)	US-PGPUB; USPAT; USOCR	OR	OFF	2005/12/05 14:17
S33	46	S32 and chemical$2	US-PGPUB; USPAT; USOCR	OR	OFF	2005/12/05 14:06
S34	23	S33 and interface$2	US-PGPUB; USPAT; USOCR	OR	OFF	2005/12/05 14:05
S35	2079	134/56r,57r,57d.ccls.	US-PGPUB; USPAT; USOCR	OR	OFF	2005/12/05 14:05
S36	2353	S35 or d32/6.ccls.	US-PGPUB; USPAT; USOCR	OR	OFF	2005/12/05 14:05
S37	2508	S36 or 222/651.ccls.	US-PGPUB; USPAT; USOCR	OR	OFF	2005/12/05 14:05
S38	1330	S37 and (laundry or dishwash$2 or washing$2 or warewash$3)	US-PGPUB; USPAT; USOCR	OR	OFF	2005/12/05 14:06
S39	259	S38 and chemical$2	US-PGPUB; USPAT; USOCR	OR	OFF	2005/12/05 14:09
S40	13	S39 and hardness	US-PGPUB; USPAT; USOCR	OR	OFF	2005/12/05 14:06
S41	16	S39 and (user same (display or interface))	US-PGPUB; USPAT; USOCR	OR	OFF	2005/12/05 14:16
S42	476	sensor same hardness and chemical	US-PGPUB; USPAT; USOCR	OR	OFF	2005/12/05 14:16
S43	40	sensor same hardness and chemical with concentration	US-PGPUB; USPAT; USOCR	OR	OFF	2005/12/05 14:17
S44	6	S43 and (laundry or dishwash$2 or washing$2 or warewash$3)	US-PGPUB; USPAT; USOCR	OR	OFF	2005/12/05 14:17
S45	21	(US-20010047214-$ or US-20040267473-$ or US-20040244819-$ or US-20030213503-$).did. or (US-5681400-$ or US-5014211-$ or US-6494961-$ or US-4733798-$ or US-6377868-$ or US-6348441-$ or US-5448115-$ or US-5056542-$ or US-5967202-$ or US-5839097-$ or US-5826749-$ or US-5556478-$ or US-5282901-$ or US-5564595-$ or US-4592785-$ or US-6918398-$ or US-5500050-$).did.	US-PGPUB; USPAT	OR	OFF	2005/12/05 14:18
S46	0	S45 and graphical with user	US-PGPUB; USPAT; EPO; JPO	OR	OFF	2005/12/05 14:19
S47	5	S45 and environment	US-PGPUB; USPAT; EPO; JPO	OR	OFF	2005/12/05 14:20
S48	443	warewash$3	US-PGPUB; USPAT; EPO; JPO	OR	OFF	2005/12/05 14:20

EAST Search History

S49	9	S48 and graphical with interface	US-PGPUB; USPAT; EPO; JPO	OR	OFF	2005/12/05 16:07
S50	21	(US-20010047214-$ or US-20040267473-$ or US-20040244819-$ or US-20030213503-$).did. or (US-5681400-$ or US-5014211-$ or US-6494961-$ or US-4733798-$ or US-6377868-$ or US-6348441-$ or US-5448115-$ or US-5056542-$ or US-5967202-$ or US-5839097-$ or US-5826749-$ or US-5556478-$ or US-5282901-$ or US-5564595-$ or US-4592785-$ or US-6918398-$ or US-5500050-$).did.	US-PGPUB; USPAT	OR	OFF	2005/12/05 16:07
S51	5	S50 and delay	US-PGPUB; USPAT; EPO; JPO	OR	OFF	2005/12/05 17:05
S52	18	S50 and (user or operator)	US-PGPUB; USPAT; EPO; JPO	OR	OFF	2005/12/05 17:16
S53	18	S52 and (water or chemical$2)	US-PGPUB; USPAT; EPO; JPO	OR	OFF	2005/12/05 17:30
S54	3236	"l21" not S53	US-PGPUB; USPAT; EPO; JPO	OR	OFF	2005/12/05 17:30
S55	3236	"l21" not S53	US-PGPUB; USPAT; EPO; JPO	OR	OFF	2005/12/05 17:30
S56	3	S50 not S53	US-PGPUB; USPAT; EPO; JPO	OR	OFF	2005/12/05 17:32
S57	47	warewash$3 and network	US-PGPUB; USPAT; EPO; JPO	OR	OFF	2005/12/05 17:32
S58	24	S57 not ecolab	US-PGPUB; USPAT; EPO; JPO	OR	OFF	2005/12/05 17:32
S59	68	warewash$3.ti.	US-PGPUB; USPAT; USOCR	OR	OFF	2005/12/06 11:05
S60	38	S59 and (user or operator)	US-PGPUB; USPAT; USOCR	OR	OFF	2005/12/06 11:05
S61	1	"5,378,993".pn.	US-PGPUB; USPAT; USOCR	OR	OFF	2005/12/06 10:57
S62	3547	dishwash$3.ti.	US-PGPUB; USPAT; USOCR	OR	OFF	2005/12/06 11:05
S63	796	S62 and (user or operator)	US-PGPUB; USPAT; USOCR	OR	OFF	2005/12/06 11:05
S64	18	S63 and conductivity	US-PGPUB; USPAT; USOCR	OR	OFF	2005/12/06 11:05
S65	1204	700/239-241,231,265-266.ccls.	US-PGPUB; USPAT; USOCR	OR	OFF	2005/12/06 11:07
S66	2079	134/56r,57r,57d.ccls.	US-PGPUB; USPAT; USOCR	OR	OFF	2005/12/06 11:07

EAST Search History

S67	2353	S66 or d32/6.ccls.	US-PGPUB; USPAT; USOCR	OR	OFF	2005/12/06 11:07
S68	2508	S67 or 222/651.ccls.	US-PGPUB; USPAT; USOCR	OR	OFF	2005/12/06 11:07
S69	2966	S68 or S65	US-PGPUB; USPAT; EPO; JPO	OR	OFF	2005/12/06 11:08
S70	71	S69 and graphical adj user adj interface	US-PGPUB; USPAT; EPO; JPO	OR	OFF	2005/12/06 11:08
S71	38	S70 and (setting or parameter) and (user or operator)	US-PGPUB; USPAT; EPO; JPO	OR	OFF	2005/12/06 11:59
S72	113	kosowski.xa.	US-PGPUB; USPAT; EPO; JPO	OR	OFF	2005/12/06 12:42
S73	7	ecolab and (graphical with interface)	US-PGPUB; USPAT; EPO; JPO	OR	OFF	2005/12/06 12:43
S74	24	(US-20010047214-$ or US-20030213503-$ or US-20040244819-$ or US-20040267473-$ or US-20040084065-$ or US-20030127110-$).did. or (US-4592785-$ or US-4733798-$ or US-5014211-$ or US-5056542-$ or US-5282901-$ or US-5448115-$ or US-5500050-$ or US-5556478-$ or US-5564595-$ or US-5681400-$ or US-5826749-$ or US-5839097-$ or US-5967202-$ or US-6348441-$ or US-6377868-$ or US-6494961-$ or US-6918398-$ or US-5378993-$).did.	US-PGPUB; USPAT	OR	OFF	2005/12/06 12:47
S75	1	S74 and modify$3	US-PGPUB; USPAT; EPO; JPO	OR	OFF	2005/12/06 13:53
S76	24	(US-20010047214-$ or US-20030213503-$ or US-20040244819-$ or US-20040267473-$ or US-20040084065-$ or US-20030127110-$).did. or (US-4592785-$ or US-4733798-$ or US-5014211-$ or US-5056542-$ or US-5282901-$ or US-5448115-$ or US-5500050-$ or US-5556478-$ or US-5564595-$ or US-5681400-$ or US-5826749-$ or US-5839097-$ or US-5967202-$ or US-6348441-$ or US-6377868-$ or US-6494961-$ or US-6918398-$ or US-5378993-$).did.	US-PGPUB; USPAT	OR	OFF	2005/12/06 13:53
S77	11	S76 and soil	US-PGPUB; USPAT; EPO; JPO	OR	OFF	2005/12/06 13:53
S78	3	S76 and soil adj level	US-PGPUB; USPAT; EPO; JPO	OR	OFF	2005/12/06 13:54
S79	63	soil adj level and controller and (user or operator) and (program$4 or modify)	US-PGPUB; USPAT; EPO; JPO	OR	OFF	2005/12/06 14:03
S80	1	S79 and (modify same setting$2)	US-PGPUB; USPAT; EPO; JPO	OR	OFF	2005/12/06 13:55
S81	1	"5,241,845".pn.	US-PGPUB; USPAT; EPO; JPO	OR	OFF	2005/12/06 14:03
S82	5	("5905648").URPN.	USPAT	OR	OFF	2005/12/06 14:06

EAST Search History

S83	1	"20050096788"	US-PGPUB; USPAT; EPO; JPO	OR	OFF	2005/12/15 13:28
S84	28	(US-20010047214-$ or US-20030127110-$ or US-20030213503-$ or US-20040084065-$ or US-20040134238-$ or US-20040244819-$ or US-20040267473-$).did. or (US-4592785-$ or US-4733798-$ or US-5014211-$ or US-5056542-$ or US-5241845-$ or US-5282901-$ or US-5378993-$ or US-5448115-$ or US-5500050-$ or US-5556478-$ or US-5560060-$ or US-5564595-$ or US-5681400-$ or US-5826749-$ or US-5839097-$ or US-5905648-$ or US-5967202-$ or US-6348441-$ or US-6377868-$ or US-6494961-$ or US-6918398-$).did.	US-PGPUB; USPAT	OR	OFF	2005/12/15 14:12
S85	10	S84 and modif$4	US-PGPUB; USPAT; EPO; JPO	OR	OFF	2005/12/15 14:26
S86	267	modif$4 same operation$2 adj setting$2	US-PGPUB; USPAT; EPO; JPO	OR	OFF	2005/12/15 14:22
S87	23	S86 and graphical adj user adj interface	US-PGPUB; USPAT; EPO; JPO	OR	OFF	2005/12/15 14:48
S88	35	(dishwasher or laundry) and operation$2 adj setting$2	US-PGPUB; USPAT; EPO; JPO	OR	OFF	2005/12/15 14:22
S89	241	(dishwasher or laundry or warewash$3) and graphical adj user adj interface	US-PGPUB; USPAT; EPO; JPO	OR	OFF	2005/12/15 14:30
S90	193	S89 and modif$4	US-PGPUB; USPAT; EPO; JPO	OR	OFF	2005/12/15 14:26
S91	157	S90 and parameter$3	US-PGPUB; USPAT; EPO; JPO	OR	OFF	2005/12/15 14:46
S92	74	chemical$ with dispens$3 and graphical adj user adj interface	US-PGPUB; USPAT; EPO; JPO	OR	OFF	2005/12/15 14:30
S93	14	S92 and (dishwash$3 or laundry or warewash$3)	US-PGPUB; USPAT; EPO; JPO	OR	OFF	2005/12/15 14:30
S94	36	S90 not S91	US-PGPUB; USPAT; EPO; JPO	OR	OFF	2005/12/15 14:46
S95	9	warewash$3 and graphical adj user adj interface	US-PGPUB; USPAT; EPO; JPO	OR	OFF	2005/12/15 14:48
S96	192	dishwash$3 and graphical adj user adj interface	US-PGPUB; USPAT; EPO; JPO	OR	OFF	2005/12/15 14:51
S97	160	S96 and modif$6	US-PGPUB; USPAT; EPO; JPO	OR	OFF	2005/12/15 14:49
S98	37	S97 and chemical$2	US-PGPUB; USPAT; EPO; JPO	OR	OFF	2005/12/15 14:49
S99	2475	appliance and modif$6 and graphical adj user adj interface	US-PGPUB; USPAT; EPO; JPO	OR	OFF	2005/12/15 14:51

S10 0	233	S99 and operation$3 with setting$2	US-PGPUB; USPAT; EPO; JPO	OR	OFF	2005/12/15 14:51
S10 1	43	S100 and dispens$3	US-PGPUB; USPAT; EPO; JPO	OR	OFF	2005/12/15 14:52
S10 2	6	S99 and utility adj device	US-PGPUB; USPAT; EPO; JPO	OR	OFF	2005/12/15 14:52
S10 3	28	(US-20010047214-$ or US-20030127110-$ or US-20030213503-$ or US-20040084065-$ or US-20040134238-$ or US-20040244819-$ or US-20040267473-$).did. or (US-4592785-$ or US-4733798-$ or US-5014211-$ or US-5056542-$ or US-5241845-$ or US-5282901-$ or US-5378993-$ or US-5448115-$ or US-5500050-$ or US-5556478-$ or US-5560060-$ or US-5564595-$ or US-5681400-$ or US-5826749-$ or US-5839097-$ or US-5905648-$ or US-5967202-$ or US-6348441-$ or US-6377868-$ or US-6494961-$ or US-6918398-$).did.	US-PGPUB; USPAT	OR	OFF	2005/12/15 17:27
S10 4	7	S103 and hardness	US-PGPUB; USPAT; EPO; JPO	OR	OFF	2005/12/15 17:28
S10 5	2	"4,334,881" .pn.	US-PGPUB; USPAT; EPO; JPO	OR	OFF	2005/12/15 17:30
S10 6	21	S103 and chemical$2	US-PGPUB; USPAT; EPO; JPO	OR	OFF	2005/12/15 17:31
S10 7	257	chemical same water adj hardness$2	US-PGPUB; USPAT; EPO; JPO	OR	OFF	2005/12/15 17:32
S10 8	90	S107 and (dishwash$3 or warewash$3 or laundry)	US-PGPUB; USPAT; EPO; JPO	OR	OFF	2005/12/15 17:32
S10 9	3	S108 and plurality with chemical$2	US-PGPUB; USPAT; EPO; JPO	OR	OFF	2005/12/15 17:35
S11 0	1319	8/158-159.ccls.	US-PGPUB; USPAT; EPO; JPO	OR	OFF	2005/12/15 17:35
S11 1	44	S110 and hardness$2 near3 water	US-PGPUB; USPAT; EPO; JPO	OR	OFF	2005/12/15 17:40
S11 2	12	S111 and chemical$2 same hardness$2	US-PGPUB; USPAT; EPO; JPO	OR	OFF	2005/12/15 17:40
S11 5	1	"20050096788"	US-PGPUB; USPAT; EPO; JPO	OR	OFF	2005/12/19 15:56
S11 6	33	(US-20010047214-$ or US-20010049846-$ or US-20020026673-$ or US-20030106164-$ or US-20030127110-$ or US-20030213503-$ or US-20040084065-$ or US-20040134238-$ or US-20040244819-$ or US-20040267473-$).did. or (US-4334881-$ or US-4592785-$ or US-4733798-$ or US-5014211-$ or US-5056542-$ or US-5241845-$ or US-5282901-$ or US-5378993-$ or US-5448115-$ or US-5500050-$ or US-5556478-$ or US-5560060-$ or US-5564595-$ or US-5681400-$ or US-5826749-$ or US-5839097-$ or US-5905648-$ or US-5967202-$ or US-6348441-$ or US-6377868-$ or US-6463611-$ or US-6494961-$ or US-6918398-$).did.	US-PGPUB; USPAT	OR	OFF	2005/12/19 16:59

S11 7	2	S116 and conductivity same offset	US-PGPUB; USPAT; EPO; JPO	OR	OFF	2005/12/19 17:05
S11 8	1	S116 and dissolved adj solids	US-PGPUB; USPAT; EPO; JPO	OR	OFF	2005/12/19 17:10
S11 9	3	S116 and average same soil	US-PGPUB; USPAT; EPO; JPO	OR	OFF	2005/12/19 17:10
S12 0	0	"20040134238."	US-PGPUB; USPAT; USOCR	OR	OFF	2005/12/20 13:38
S12 1	1	"20040134238"	US-PGPUB; USPAT; USOCR	OR	OFF	2005/12/20 13:38